

**CLAIMS**

1. A drive mechanism for use in a drug delivery device comprising an epicyclic gearbox.

5

2. The drive mechanism according to claim 1 comprising:  
a housing having a helical thread;  
a piston rod having a non-circular cross section and an external helical thread;  
a dose dial sleeve, which is threadedly engaged with said housing and being  
10 rotatable with respect to said housing;  
a drive sleeve, located between said housing and said piston rod, which is  
threadedly engaged with said piston rod.

3. The drive mechanism according to any of claims 1 or 2 characterised in  
15 that the said dose dial sleeve is releasibly connected to the said drive sleeve by  
the said epicyclic gearbox.

4. An assembly for use in a drug delivery device comprising the drive  
mechanism according to any of claims 1 to 3.

20

5. A drug delivery device comprising the drive mechanism or the assembly  
according to any of claims 1 to 4.

6. A method of assembling a drug delivery device comprising the step of  
25 providing a drive mechanism or an assembly according to any of claims 1 to 4.

7. The use of a drug delivery device as defined in claim 5 for dispensing a  
medicinal product comprising an active compound selected from the group  
consisting of insulin, growth hormone, low molecular weight heparin, their  
30 analogues and their derivative.